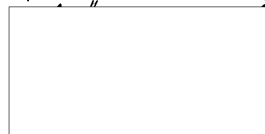


Fiber Optics Trainer

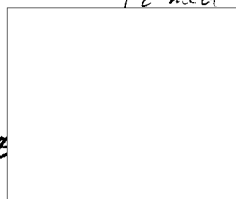
Phase I :

Inspection, etc



Phase II :

Align & check out  
4 man-weeks  
(2 men 2 wks)



target:  
 $10 \pm 0.005\%$   
of dist. travelled

STAT

STAT

[REDACTED]

16 June 1969  
SC-1913

*Rec'd 6/20/69*

STAT

[REDACTED]  
P. O. BOX 8294  
Southwest Station  
Washington, D. C. 20024

Subject: Inspection and X-Y Alignment of Model 552A-104

STAT

[REDACTED]

As a result of our discussions regarding service repair and alignment of X-Y stages on the 552A-104 Stereo Comparator, we are pleased to submit the following two-phase program for your consideration:

PHASE I

Inspection Service

Inspect the 552A-104 to determine the extent of repairs required and check X-Y carriage-alignment condition.

This will include in-house investigations and analysis of test data as well as Engineering/Quality Control records on components such as bushings, ways, screws, critical-to-final alignment accuracies.

Cost

STAT

[REDACTED] per attached summary sheet.

PHASE II

X-Y Alignment of 552A-104

Present estimates indicate 4 manweeks of field work will be required to align and check out the system. In addition, certain in-house support will be required in preparation of alignment fixturing and special tools.

It is expected that time will be available during the 4-week period for cleanup, lubrication, and minor repairs and/or adjustments. Our estimate does not anticipate the need for major repairs or component replacements.

STAT

[Redacted]  
Washington, D. C.

16 June 1969  
Page Two

Phase II (cont'd)

Estimated Cost

STAT

[Redacted] per attached summary sheet.

The above estimate is based on

- 1) Normal daytime working hours -- Monday through Friday  
-- and equipment currently in good working condition
- 2) Support from your personnel and your shop equipment, when  
and if necessary to expedite work.
- 3) Electronic noise suppression or interface debugging of  
encoder readout system is not included.
- 4) Orthogonal alignment and measuring accuracy goals will be  
firmed up after Phase I inspection, test and analysis is  
completed.
- 5) No major repairs or component-replacement costs are  
included in the above estimates. If these are found to be  
necessary, we will provide appropriate estimates for your  
consideration.
- 6) Formal calibration is not included. However, a 9x18-inch  
calibrated grid will be employed by [Redacted]  
(drawing enclosed) for test and checkout.

STAT

If you require any additional information, please contact the undersigned.

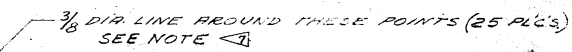
STAT

Very truly yours,

[Redacted Signature Block]

**Page Denied**

Next 1 Page(s) In Document Denied



~:NOTES:~

- 602092  
SHEET OF

9 - LINES CONTAINING POINTS TO  
BE STRAIGHT WITHIN 2 MICRONS  
(.000075)

REQD.	ITEM NO.	PART NO.	DESCRIPTION	GOVERNMENT NO.	CODE OR SPEC
<b>LIST OF MATERIALS OR PARTS LIST</b>					

TEST GRID 2 1/2 AL

DATE CALIBRATION CHART IN

						LIST OF MATERIALS OR PARTS LIST							
						UNLESS OTHERWISE SPECIFIED:							
						DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES							
						$\pm 1/16$ $\pm .005$ $\pm 0^{\circ}30'$							
						DO NOT SCALE THIS DRAWING							
						MATERIAL SPEC SEE NOTE #1							
						FINISH							
						DRAWN BY DATE 7-27-65							
						CHECKED 12-26							
						ENGR CODE IDENT NO SIZE DWG NO REV							
						19173 C 602092							
						SCALE UNIT WT SHEET OF							
						GOVT APPD							
APPLICATION													
NEXT ASSY QTY USED ON													
527 AM													

NOTE:  
CALIBRATION by  
IN P.C. File.

REMOVE ALL BURRS  
AND SHARP EDGES